

Title: VSOP Monitoring of the Quasar 1928+738

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Abstract:

One of the most valuable results of the VSOP mission will be an uninterrupted series of images for a few sources over the entire VSOP mission lifetime. Such continuous monitoring is only possible over a small region of the sky. We are conducting an unbroken monitoring campaign at 5 GHz on the superluminal quasar 1928+738. We hope to confirm or reject the hypothesis that the observed wiggle in the jet is caused by the orbital motion of a massive binary black hole system. This has been proposed to be the cause of helical jet motion seen in this and other core-dominated radio sources.